Användarmanual Baotian-Sport

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Preface

Thank you very much for purchasing 'BAOTIAN' brand motorcycle of model BT49QT-7, which developed by BAOTIAN MOTORCYCLE INDUSTRIAL CO., LTD. And welcome to join the driver's line of BAOTIAN motorcycle.

With its extraordinary advantages of excellent quality, smart appearance and shape of legerity, our product will surely bring the utmost pleasure and convenience to your life.

This manual gives you information about the general structure, function, operation and maintenance methods of BT49QT-7. In order to enable your beloved motorcycle to render a best performance and a longer life, please read this manual carefully, pay particular attention to the running-in part in it and follow all the operating instruction. It is of great importance to make your riding safer and more comfortable. Experienced staffs in our sale agency and the maintenance shop will also offer excellent service for you.

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- Please take an initial examination of your motorcycle after the first 300km running in our designated maintenance shop, and take regular examination in every 1000km thereafter.
- All the direction, illustration and specification included in this manual are based on the latest product information. Please be noted that they may be different from the actual status of the motorcycle if there is new revision on its specification, and no further advice will be given.
- This motorcycle was designed and manufactured which complied with e-mark, the safety standard of Europe Union, the maximum speed is 45 km/h. Please do NOT change any parts without professional advice and use non-original parts in case of avoiding danger to driver and the broken of traffic laws.

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Guidance

Please keep safety in your mind and observe the regulations of transportation while enjoying your riding. Pay attention to the following rules:

1. Pre-riding inspection
   Please read the details in the relevant chapter for your safety.
2. Helmet
   Do remember to wear helmet while riding.
3. Being familiar with motorcycle operation
   It is of great importance to ensure your safety getting familiar with motorcycle operation.
4. Speed limitation
   Drive at proper speed in accordance with the road condition, the weather and your driving skill.
5. Position of the label

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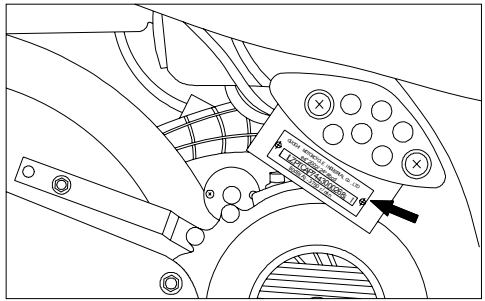
WARNING
It is dangerous to drive on the wet road. Do not make an abrupt turning while accelerating and keep proper distance from other vehicles.

6. Positions of the numbers

The frame number and the engine number are for the purpose of registering the motorcycle. When your motorcycle needs inspection, repair or other special service, the number will enable you to get good service from our sale agency. Please note .down your number here:



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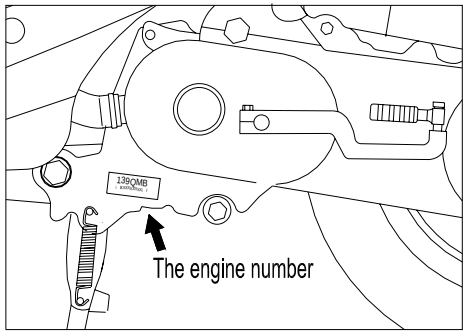
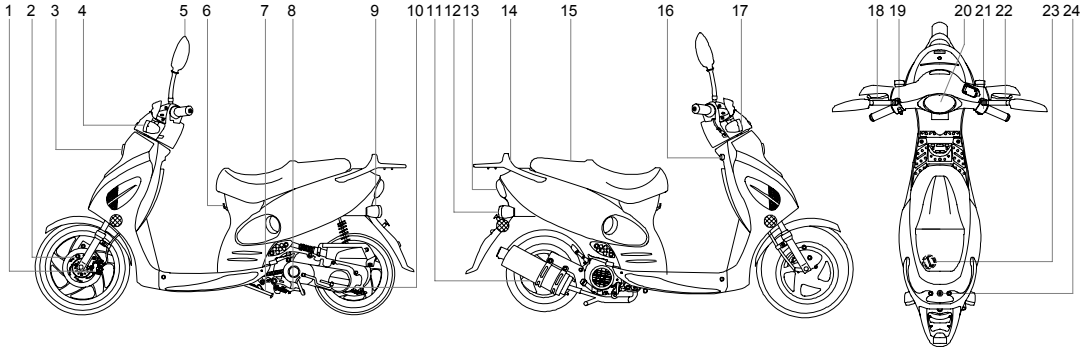


□ The frame number: _____

□ The engine number: _____

Names of parts

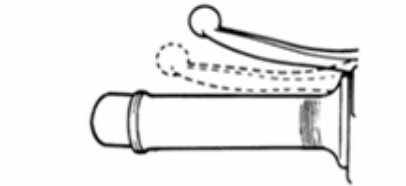


(1) brake assy.
(2) brake Disk
(3) Head light & front signal light
(4) Left front turning light
(5) Rear-view mirrors
(6) Helmet hook
(7) Prop stand
(8) Center stand
(9) Left rear turning light
(10) Starting pedal
(11) Muffler
(12) Right rear turning light
(13) Rear signal light & rear light
(14) hand-hold
(15) Seat
(16) Ignition switch
(17) Right front turning light
(18) Rear brake lever
(19) left switches
(20) Meters
(21) light switches
(22) Front brake lever
(23) Fuel tank cap
(24) Seat lock

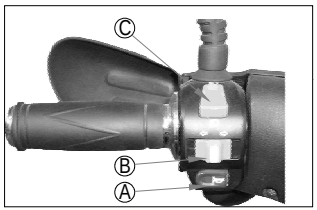
Controlling parts

1. Rear brake lever

Hold it tight and the rear brake functions



2. Switches on the left handle



A. Horn button

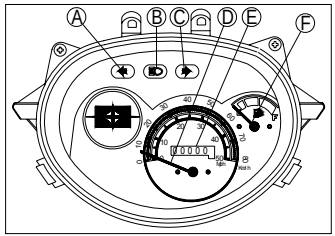
B. Turning signal switch

⇨ Right turning light

⇦ Left turning light

C. Switch for high/low beam lights

3. Meters and indicating lights



A. Left turning lights indicator

B. High beam indicator

C. Right turning lights indicator

D. Speedometer indicates the speed in km/ hour

E. Odometer indicates the total distance the motor-cycle has run

F. Fuel gauge.

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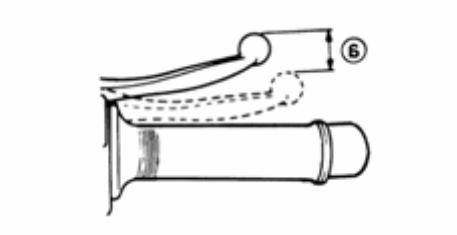
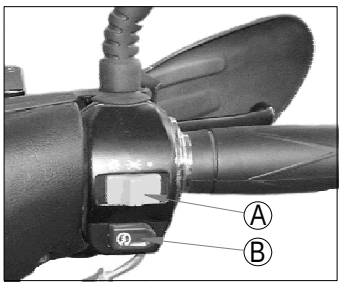
4. Front brake lever

Press it tightly and the front brake functions.



5. Switches on the right handle

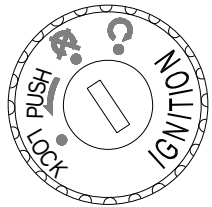


A. Head light switch

B. Ignition button

When the ignition switch is at ON position, hold the brake and push the button and then the engine works.

6. Ignition switch



OFF The whole circuit is cut. Engine and lights cannot be operated and the key can be withdrawn.

ON Engine cannot be started and all the lights can be operated. The key cannot be withdrawn.

LOCK Turn the steering handle fully to the left, slightly press the key and turn it to the position lock . Then the key can be taken out.

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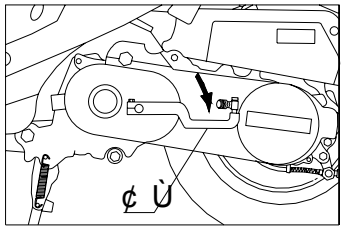
Starting lever

Starting lever is for kicking start of the engine.



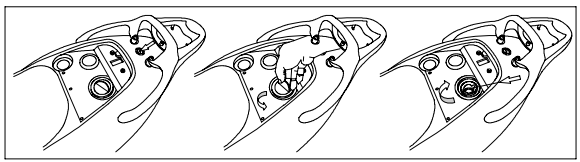
Fuel tank

Usage of the cap:

1.Insert the key and open the seat.

2.Turn the cap unclockwise and take off it.

3.Fix the notch, turn the cap clockwise, you can tighten it.



Warning

- Turn off the engine when refilling the tank.
- Turn off the cap slowly.
- Align the mark "□" on the cap to the mark "⇧" on the tank.
- Don't overfill the gasoline over the designated scale
- Do not add anything into the gasoline.

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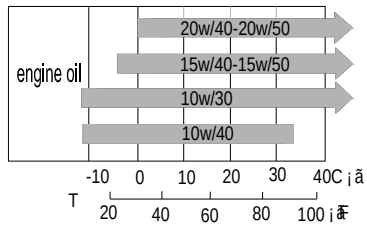
Fuel and engine oil

A. Gasoline

High-quality fuel is essential to the engine. Any sand in the fuel is absolutely prohibited. 93# gasoline and unleaded gasoline is preferred.

B. Engine oil

SAE-15w/40#



Pre-riding inspection

Please check the following parts before you drive.

No.	Items	Inspection content
1	Steering bar	1.Flexibility 2.No gap or loosing appearance
2	Brake system	1.Interval between front brake and rear brake 2.No break on the cable 3.Flexible function
3	Tires	1.Proper pressure 2.No crack or cutting
4	Fuel	Sufficient fuel
5	Engine oil	Sufficient engine oil
6	Lights	Workable
7	Horn	Workable
8	Gear oil	With normal stock
9	Throttle	1. Proper gap 2.Flexible function 3.Proper control lever returning
10	All the bolts and nuts	No loosing appearance.

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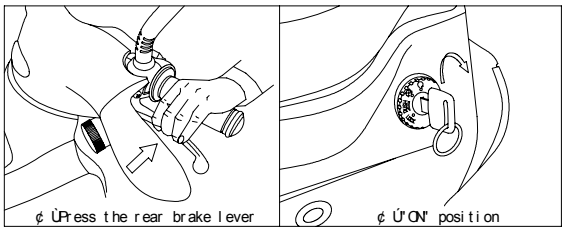
Engine starting

1. Please check the volume of machine oil and gasoline before starting. The main stand should be stood up while starting the engine.
2. Turn the ignition switch to the “ON” position.

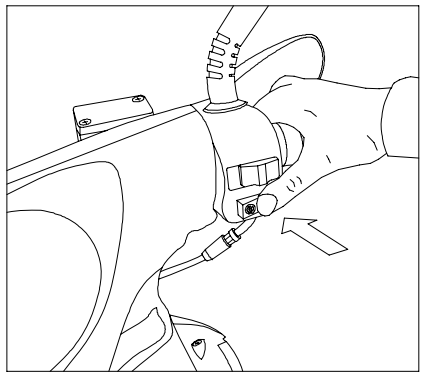


Warning

- Press the rear brake lever in case that the motorcycle rushes forwards abruptly.

3 . Engine Starting

Push the starting button and then the engine starts.



Warning

- 5 seconds is the maximum limit for each startingg and10 seconds is the minimum interval.
- Stop pressing the starting button immediately after the engine starts.
- Do not press the starting button while the engine is running , or the start motor will be damaged.
- When using electric starting, please press the rear brake lever in advance to get through the circuit and s tart the motor.
- When using electric starting, don't operate the starting motor continually, or it may cause damage to the starting motor and the battery.
- Warm up the engine after cold starting, (about 3 minutes).

4. Kick Starting

Press the brake handle, tread the starting grip heavily and then the engine will start.

Warning

- After the engine starts, the starting grip should be turned to its original position. Otherwise, it will affect the driver's safety.
- Please don't start the engine in malventilated places because the wasted gas with CO is harmful to human beings.

Running in

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To maintain your motorcycle running in a good condition, please follow the below rules during the new running-in period.

Distance(km)	Speed limitation (km/h)
0-200	25
200-1000	35
1000-----	≤45

Regular maintenance

Interval / Item	Km / Month	300 / New motor	1000 / 1	3000 / 3	6000 / 6	12000 / 12
Battery		I	I	I	I	I
Nuts on tank cap and exhausting tub*		I	F	F	f	F
Cylinder cap, cylinder and muffler*		--	C	C	C	C
Carburetor		I	I	--	--	I
Air cleaner		Clean it between every 2000km				
Spark plug		I	--	I		
Fuel line		Replace every four years				
Clutch *		--	--	--	I	I
V-strap		--	--	--	I	I
Engine oil		R	R	Replace every 3000km		
Brake *		I	I	I	I	I
Front fork and steering *		I	I	--	I	I
Rear suspension		I	I	--	I	I
Tires		I	I	I	I	I
Fastening nuts and bolts		I	F	--	F	F
Gear oil		R	Replace every 5000km / 5Month			
Start motor		--	--	--	--	I

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NOTE: I=Inspect and clean adjust replace or lubricate as necessary C=Clear, R=Replace, F=fastened

Service more frequently when riding in dusty areas.

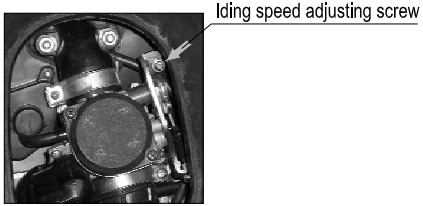
1. Battery

12V/5Ah battery

- When the voltage is less than 11.5V, please use kicking start in stead of electric starting
- Place the ignition switch to OFF position before battery replacement.
- Electrode identification: “+”—red line, “-”—black line.
- Change a new battery every 4 years.

2. Carburetor and idle speed adjustment

- Keep the engine warmed up for 2-3 minutes.
- Adjust the idling speed screw to set the engine at speed If abort 1800 rpm. The idle speed adjusting screw.



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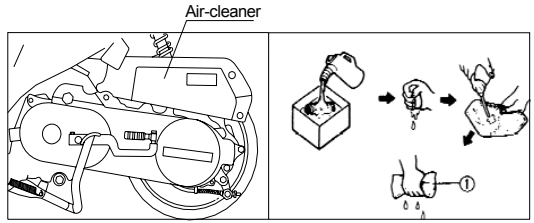
Warning
It has been fully adjusted to the highest position when manufactured.

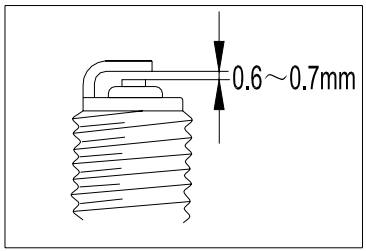
3.Air cleaner



- Pour the non-inflammable detergent into a basin and immerse the core of air cleaner Into the detergent for cleaning.
- Press the core to squeeze the detergent out of it by the palms.
  Never twist it in case that it is broken.
- Immerse the core into engine oil.
- Squeeze the excessive oil out but keep it lightly oil immersed

4. Spark plug

- Clean the carbon deposit on the spark plug with a piece of hard wire or steel needle.
- Adjust the gap to 0.6-0.7mm with a thickness gauge.
- Use (NGK) C7HSA when replacement is needed.



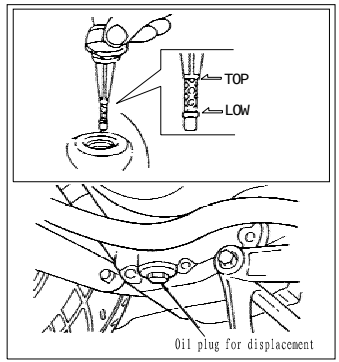
5.Fuel

Refill the recommended unleaded gasoline with an octane number of 93# or higher when the indicating needle points to the red area in the fuel gauge.

NOTE: Unleaded gasoline will extend spark plug and catalytic converter life.

6.Engine oil

Replace the engine oil with the engine warmed up.

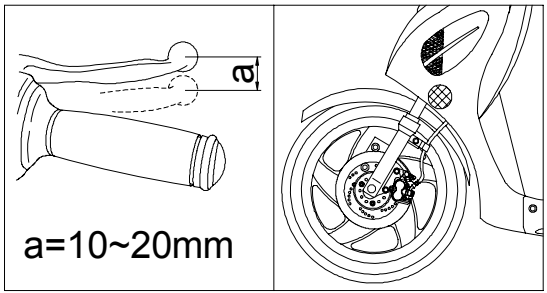


- Remove the oil dipstick.
- Remove the oil plug to drain the used oil.
- Reinstall the oil plug, paying attention to the tightness .
- Refill 0.8 L recommended fresh oil
- Fasten all the nuts and screws.

7.Brake system

Normal free stroke of the brake lever is about 10-20mm.

□The front brake



Warning
□ FREE STROKE means the distance between the positions from free status to the beginning performance of the brake. □Pay attention to the sensitivity of the brake.

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□ The rear brake

Turn the adjusting nut to get a proper stroke.

□ Front brake

Grip the brake handle and check the wear & tear indicator . If the indicator nearly touched the brake disk, please ask the appointed maintainer to change the brake shoes

Check the following items of brake system before driving the motorcycle:

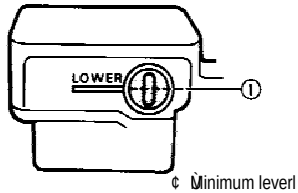
Check if there is any leakage ;

Check if there is any leakage or crack on the oil pressed hose;

The brake handlebar should be kept with a certain free swing distance from 10□20mm, and kept a certain re-grip power;

Abrasion situation of the brake shoes.

□Brake oil level



¢ Minimum leverl

□ It has been filled with the special brake oil before the motorcycle leaves the factory. User should fill or change the qualified brake oil (such as No.DOT3 & DOT4 brake oil) from the appointed maintenance station. Never change or mix other oil, otherwise it would damage the brake system.

□If the brake oil is insufficient, it might be possible for the air to come into the brake system, and result in the failure of the system

Warning
Brake oil is corrosive material .It would damage and corrupt the painting of the part . It should be cleanout if the oil splash on the part .If the oil sprayed on the skin or eyes ,it should be cleaning quickly with a lot of water.

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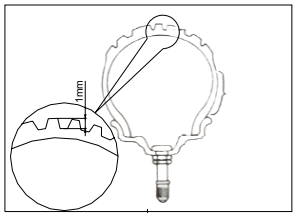
8.Tires

Insufficient tire pressure hastens wear of them and affects the riding stability. Please check the tire pressure and tread depth when applying regular maintenance.

- Tire pressure: front 250 KPa ,rear 250 KPa.
- Tread depth: It is suggested to replace a new tire when the tread depth is less than l mm.



Warning:

- The standard tire is 3.5-10-51J for rear and 120/70-12-56J for front . The use of tire other than standard may cause trouble.
- Tire inflation pressures and the general tire condition are extremely important to the proper performance and safety of the vehicle.

9. Starting motor

Check the fastening bolts and the carbon brush, and replace them if necessary.

10. Fuse

Fuse is linked with the outer line of the battery. When a light or circuit fails suddenly, check the fuse first.

Warning:

- The fuse cannot be replaced by any iron or aluminum wire.

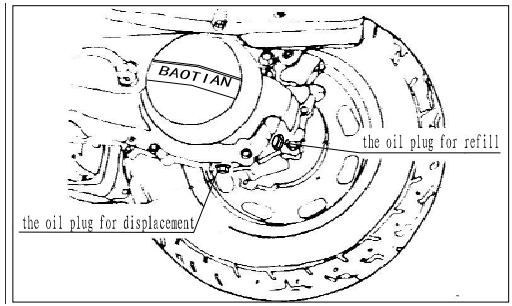
11.Gear oil

Please use the recommended gear oil:

SE85W/90

Total capacity :110ml

Replacing capacity :100ml



How to change gear oil

- Stand the scooter
- Take off the oil plug on the gear oil sprue
- Take off the oil plug for displacement, let off all the oil
- Tighten the oil plug for displacement
- refill the oil from gear oil sprue, tighten the oil plug

After refilling

After supplement, please make sure you have locked the oil plug and check screw

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□Tools

A full set of tools is offered for your daily use.

Technical Parameters

Items		Specifications
Size	Length Width Height Wheel base Min. distance above ground	1895mm 755mm 1045mm 1285mm 80mm
Weight	Unloaded weight Loaded weight Mass weight	92kg 95kg 170kg
Capacity	Max. Speed Min. Speed Slope Turning Conner Diameter of turning Conner	45km/h (e-mark) ≤1.8km/h ≥16.8° ≥25° ≤3200mm
Circuit system	Spark plug Battery Fuse Headlight Tuning lights Brake light Position lights	A7RC 12V/5AH 10A 12V 35W 12V 10W 12V 21W/5W 12V 5W

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Volume of the fuel tank Volume of the engine oil tank		4.5L±0.5L 1L
Engine	Model Type Cylinder Bore and stroke Cylinder volume Compression ratio Max. power Max. torque Carburetor Air cleaner Ignition type Starting mode Cooling mode Lubrication	139QMA 1 cylinder, cooled by forced air 4 stroke 1 39mm*41.4mm 49cm^3 , 10.5:1 2.61 kW /8000 r/min 3.56N·m /5000-5500 r/min GY50-7 Polyurethane plastic core CDI Electric/kicking start Forced air-cooled Pressure spray
Frame		Steel tube frame
Suspension	Front absorber Rear cushion	Rock-arm variable-pitch spring & hydraulic damping shock absorber Single damping shock absorber Variable-pitch spring & hydraulic damping shock absorber
Brake system		Expansion braking shoe
Tires		3.50-10-51J for rear 120/70-56J for front

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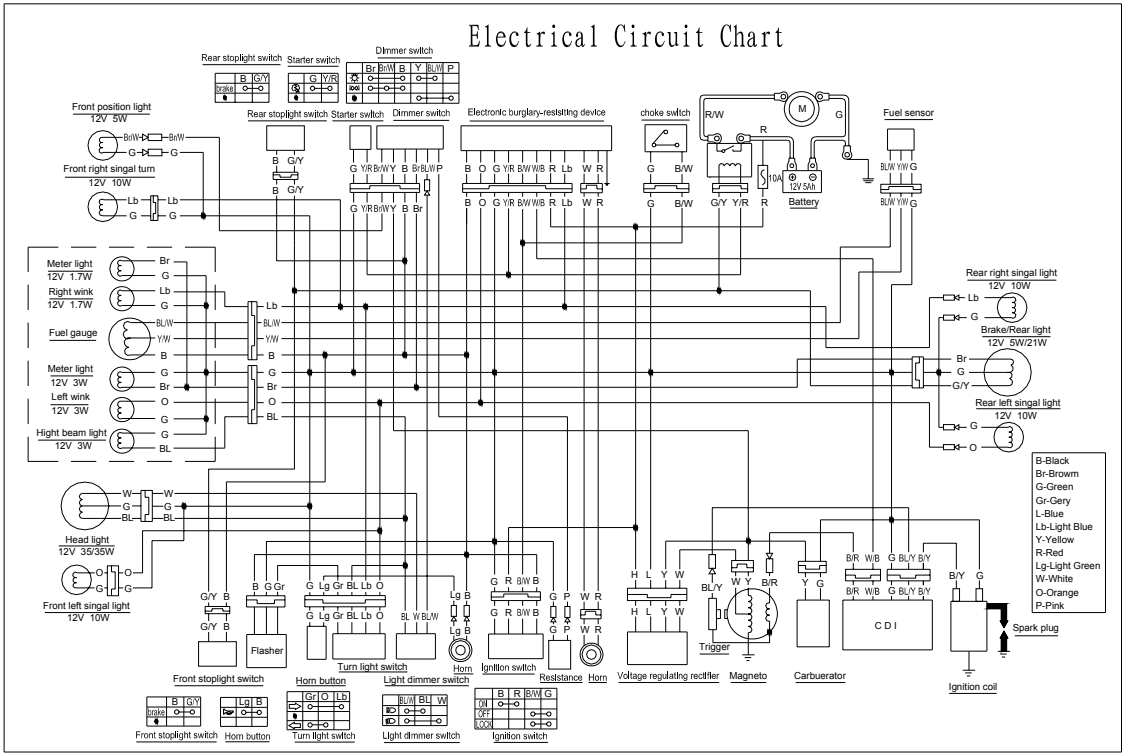
Electrical Circuit Chart
Rear stoplight switch
Starter switch
Dimmer switch
Front position light
12V 5W
Front right singal turn
12V 10W
Rear stoplight switch
Starter switch
Dimmer switch
Electronic burglary-resistting device
choke switch
Fuel sensor
Battery
12V 5Ah
10A
Meter light
12V 1.7W
Right wink
12V 1.7W
Fuel gauge
Meter light
12V 3W
Left wink
12V 3W
Hight beam light
12V 3W
Rear right singal light
12V 10W
Brake/Rear light
12V 5W/21W
Rear left singal light
12V 10W
Head light
12V 35/35W
Front left singal light
12V 10W
B-Black
Br-Brown
G-Green
Gr-Gery
L-Blue
Lb-Light Blue
Y-Yellow
R-Red
Lg-Light Green
W-White
O-Orange
P-Pink
Flasher
Turn light switch
Horn
Ignition switch
Resistance
Horn
Front stoplight switch
Horn button
Light dimmer switch
Voltage regulating rectifier
Magneto
Trigger
Carburetor
C D I
Spark plug
Ignition coil
Front stoplight switch
Horn button
Turn light switch
Light dimmer switch
Ignition switch